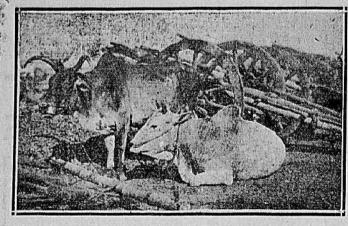
# Farming in India---John Bull Introducing Scientific Agricultural Methods---Raising Wheat by Irrigation



OUR CATTLE ARE RAISED FOR WORK.

BY FRANK G. CARPENTER,

Calcutta, 1910.

The farmer is the big man of the United States. He is a bigger man is India. There are 200,000,000 of him, and he forms the backbone of the country. To-day he is comparatively quiet. The great unrest which is going on is mostly among the other classes. It is fomented by the professional men, clerks and graduates of the government schools, whose walking delegates are moving about among the agricultural masses and stirring up trouble. One of John Bull's biggest problems is to keep the farmers attached to the government, and the British officials are doing all they can to this end.

I spent an hour the other day at the agricultural department talking with its secretary, Mr. J. O. Miller, as to some of the movements. He tells me that the government is awake to the agricultural department talking with the secretary, Mr. J. O. Miller, as to some of the farmer and to what is being done for them in other countries. He speaks highly of our work along such lines, saying that the United States leads the nations and that India is taking iessons from us.

Mr. Miller tells me that every pro-

the agricultural masses and stirring up trouble. One of John Bull's biggest problems is to keep the farmers and the problems is to keep the farmer and the search of the farmer and the chart of this early at the agricultural department talking with its secretary, Mr. J. O. Miller, as to some of the movements. He tells me that every proper the search of the farmer and to what is being done for them in other countries. He speaks highly of our work along such lines, saying that the United States leads the nations and that India is taking iessons from us very properations of this country and agricultural experimental farms, and are distributing seeds. Many are making valuable discoveries, conting what it can to improve them. Nearly all have experimental farms, and are distributing seeds. Many are making with the commendations and that india stributing seeds. Many are making with the company days and the united of agriculture, which meets at certain times to discuss the farming situation and countries of agriculture. Who action and submit recommendations are farming branches in nearly all of the distributions of the markets and the many chemistry, and a we could compete with the Germans; here are hardly and the united and central provinces, and there are farming branches in nearly all of the industrial schools.

\*\*We have been combined into a board of agriculture, which meets at certain times to discuss the farming situation and commendations are farming branches in nearly all of the industrial schools.

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by an American. As far back as 1802 we have had a government expert to advise us as to matters of agricultural chemistry, and we had begun some work along other lines when one of our millionaires, a Mr. Henry Phipps, of Pittsburg, came out to India. He was a friend of Lord Curzon, and as such he spent some time here at Calcutta.

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hipps, of Pittsburg, came out to indial to was a friend of Lord Curzon, and s such he spent some time here at alcutta.

"During his visit he became interested in the condition of the armers and n the terrible families which now and then overrun parts of this countries."

"Are you doing anything as to you control."

"Yes, We are investigating the crop and studying our soils and climatic conditions in connection with it. We raise, you know, a short single cotton, and our farmers find it more profitable in the long run. We are trying



THE FARMER IS THE BIG MAN IN INDIA.

and winnowed in the wind. Much of the plowing is done with wooden plows, and altogether the cultivation is primitive.

"Our agricultural stations are now doing all they can to introduce modern machinery. They advise the use of iron plows and of roapers and thrashers. They show the farmers how to use such machines and encourage competitive trials on the part of the dealers in the different makes.

"We are also testing as to artificial manures. India produces but little barnyard fertilizer. The droppings of the cattle are used for fuel, and the average peasant gives almost nothing back to the soil. The stations are distributing leaflets describing improved farming and giving suggestions. Yet it is difficult to make the ryots, as our farmers are called, undertake any new methods or try new seeds."

"What are you doing to improve your stock?" I asked
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"The have breeding establishments connected with some of the agricultural stations, and there is a breeding farm at the Phipps Agricultural College, of which I have spoken. Many of the provincial governments hold agricultural shows, where prizes are given for the best bred animais, and fare government provisions. The Bombay agricultural department established one some years ago, managed by experts from Swoden. There



better prices than cotton of a superior quality.

"Our cotton industry received a great impetus at the time of the Civil War in America. Your cotton was then shut out of the market and the prices went sky high. This turned the attendent to India's possibilities, and experiment farms were established for improving the crop. The men put in charge of them came from England, charge of them came from England, and as a rule they were little better than gardeners. When the war was over and you again monopolized the market, these farms were taken over by the government and made experiment stations. Some of them are in market, these farms were taken over by the government and made experiment stations. Some of them are in waste, these farms were taken over ment stations. Some of them are in doubt whether we shall ever be able to seriously affect your cotton in the European markets. We profit when you have a short crop and we come next to you among the great cotton on the total you among the great cotton of the government with the producers of the world. Our acreage, however, is limited, and we do not seed cotton. We usually raise 2,000,000."
"How do you grow cotton?"
"How do you

seed cotton. We usually raise 2,000, 2000 to see of the options of the points of the points and in some years we have raised almost 5,000,000."

"How do you grow cotton?"

"They planting is done by sowing the seed broadcat or drilling it in. We seed broadcat or drilling it in. We seed broadcat or drilling it in. We first coat the seed with a plaster of cow dung, mud and water. This covers the fuzz, and they pass through the tubes without clogging. Our cotton is worked several times. The best of the farmers give the plants two weedings. The blossoms come forth along in October, and the lint is ready for picking in January. The picking season lasts until April."

"We are now raising some Egyptian cotton in the Sind, and are experimenting there also with American seed. Both kinds do well, but it is a foot do beer. The Sind, and are experimenting there also with American seed. Both kinds do well, but it is something like 2,000,000 ares under cotton; or wheat crop."

"The Wheat Crop of India."

"The Wear increasing the area and our facilities for handling the crop. We have now something like 2,5,000,000 are sort in the native states, and about 5,000,000 are sort in wheat in the Northern part of that is in the Northern part of that is in the Northern part of that is in the Northern part of the country and especially in the Junjab. Most of the wheat goes to karachi for shipment to Europe. It is taken from the farms to the cars and shipped, without storage in elevators. Indeed, it is a question as to whether the elevator system is not what we need. That is a live question in india."

"How much does your wheat yield per acre?"

"On our irrigated lands we can mais from twenty to thirty bushels, but the crop must be carefully cultivated and manured, and it must be with with sickles: it is thrashed with bullocks and winnowed in the wind. Much of the plowing is done with wooden plows, and altogether the cultivation is primitive.

"Our agricultural stations are now doing all they can to introduce modern machilery. They advis

Our conversation here turned to the efforts of China to abolish the use of optum, and I asked Mr. Miller whether this would not seriously affect poppy

# attention

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to be genuine and truthful.

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enough to convince the most skeptical.

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these to certain sections of Bengal and the United Provinces. The cultivators receive advances to enable them to prepare the ground and raise the popples, but are bound to sell their whole crop to the official agents at the government's price. They send it to the factories, where it is prepared for the markets. It is there put up in chests and shipped to Calcutta, where there are auction sales monthly for export abroad."

India's Opium the Best.

"Why does China, which raises opium"

itself, take Indian opium?"

"Because our opium is the best of Malwa, which brings in something like Malwa, which brings in something like Malwa, which brings in something like though not to the extent of China. The consumption in highest in Assam, where there are auction sales monthly for export and produce."

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"India's Opium the Best.

"Why does China, which raises opium"

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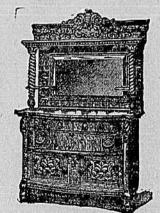
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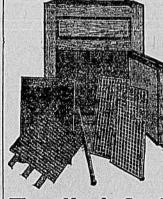


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